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EUROPEAN SEARCH REPORT

Application Number
EP 03 25 5758

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 981 031 A (L. SCHULER GMBH) 1 January 1991 (1991-01-01)	1	B21D43/05
Y	* column 3, line 33 - column 3, line 44; figure 3 *	2-4	
X	EP 0 315 381 A (ISHIKAWAJIMA HARIMA HEAVY IND) 10 May 1989 (1989-05-10)	1,5	
Y	* figures 3-6,9,10,12-19,33 *	3,4	
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 592 (M-1502), 28 October 1993 (1993-10-28) & JP 05 177277 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD), 20 July 1993 (1993-07-20)	5-7	
Y	* abstract *	2	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B21D
A,D	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 03, 31 March 1999 (1999-03-31) & JP 10 328766 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD), 15 December 1998 (1998-12-15) * abstract *	1-7	
The present search report has been drawn up for all claims			

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Place of search MUNICH	Date of completion of the search 16 December 2003	Examiner Vinci, V
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

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